

Research Funding Regarding and Subsequent Monitoring of *Toxoplasma Gondii* Oocysts

MBCSD agrees to provide an unrestricted grant to the University of California Davis to fund research through Dr. Patricia Conrad's laboratory. Such funds shall be used as seed money to support the production and evaluation of monoclonal antibodies, which will allow for both concentration and rapid detection of *Toxoplasma gondii* oocysts in a wide range of environmental samples. If scientifically valid testing methodologies are developed that significantly improve the current detection limits, as reasonably determined by Dr. Conrad or her designee (collectively "Dr. Conrad"), effluent from the MBCSD wastewater treatment plant shall be monitored for the presence of *Toxoplasma gondii* oocysts using the significantly improved testing methodologies. The determination of whether such scientifically valid testing methodologies have been developed adequately enough to be used for effluent monitoring at the MBCSD wastewater treatment plant, that is markedly improved over the monitoring that has been conducted to date, and, if so, the most appropriate and useful testing and monitoring, shall be made by Dr. Conrad. Should such scientifically valid methodologies not be adequately developed over the course of the five year permit term, as reasonably determined by Dr. Conrad, the balance of the funds allocated to the project shall be used to continue the research outlined above. MBCSD total funding obligation for the project described above during the five year permit term shall be limited to \$80,000. The initial research funding distribution to Dr. Conrad's laboratory shall be \$20,000 and shall be made within thirty (30) days of approval of the Settlement Agreement. Additional distributions of \$20,000 shall be made within thirty (30) days of the first, second and third anniversaries respectively, of the effective date of the Settlement Agreement, if reasonably determined to be necessary by Dr. Conrad. Any funds determined by Dr. Conrad not to be needed for the research and development of testing methodologies as described above, shall be used for MBCSD wastewater treatment plant effluent monitoring of *Toxoplasma gondii* oocysts and for expanded monitoring of *Toxoplasma gondii* oocysts in and around Estero Bay and Morro Bay.